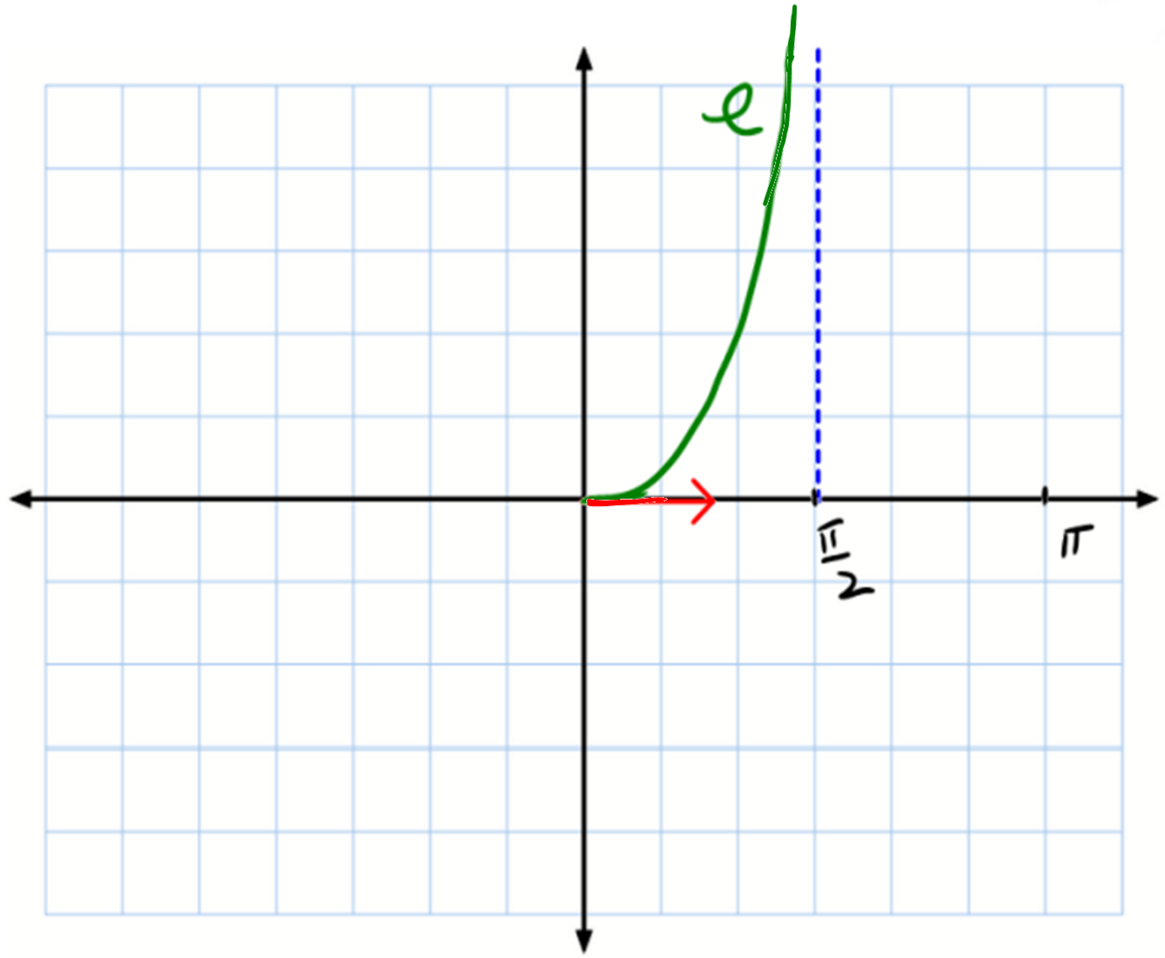
x	0		$\frac{\pi}{2}$
$f'(x)$	0	$+$	
$f(x)$	0	↗	$+\infty$

$f(0) = \tan^2(0) = 0$

$\lim\limits_{x \to \frac{\pi}{2}^-} f(x) = \lim\limits_{x \to \frac{\pi}{2}^-} \tan^2(x) = +\infty$

b) Tracer la courbe $\mathscr{C}$ dans le repère $(O,\vec{i},\vec{j})$.